

PIPE JOB
DEC 18 2002

#4

20031217 200311/2003

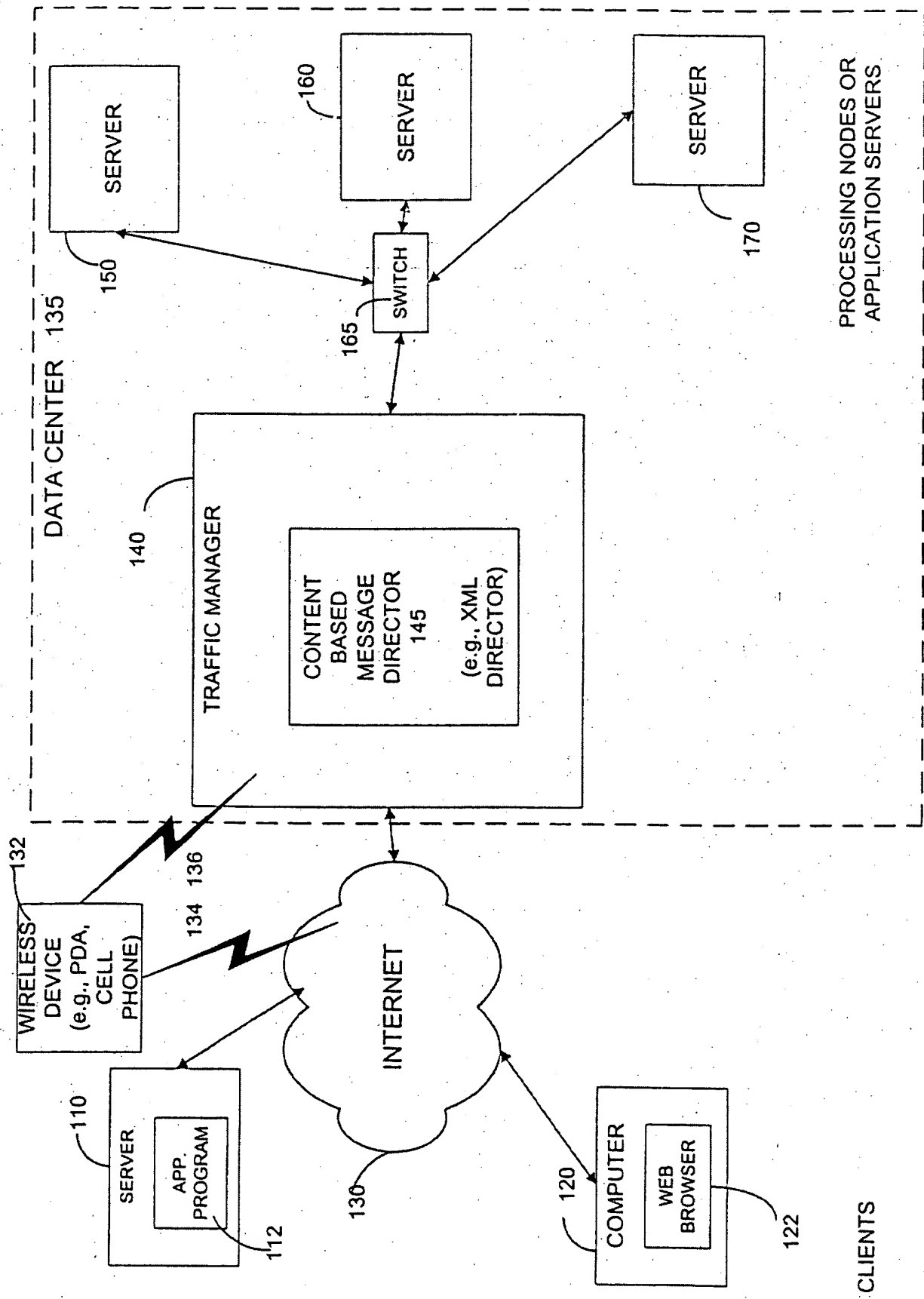


FIG. 1



09744807.121802

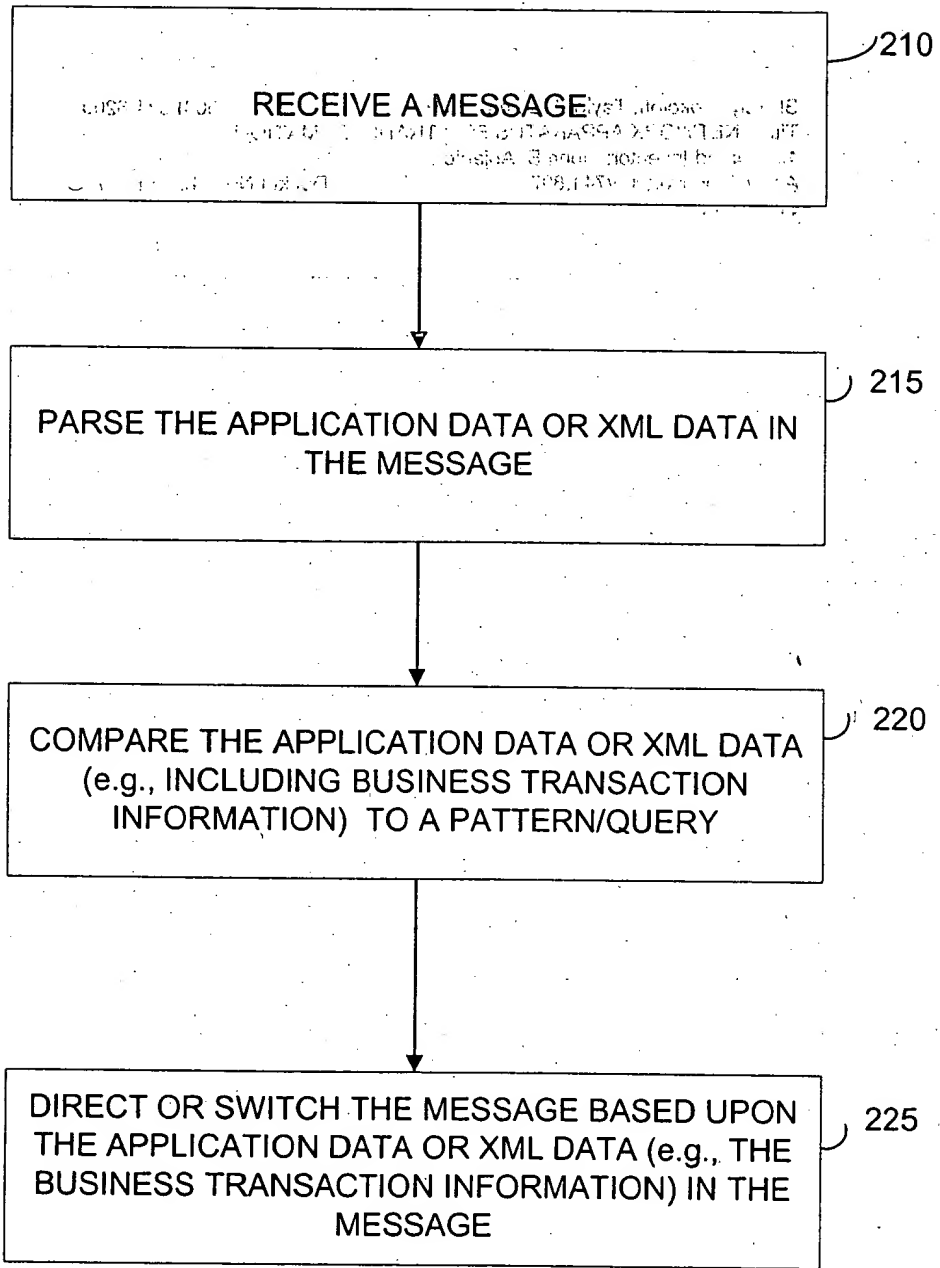


FIG. 2

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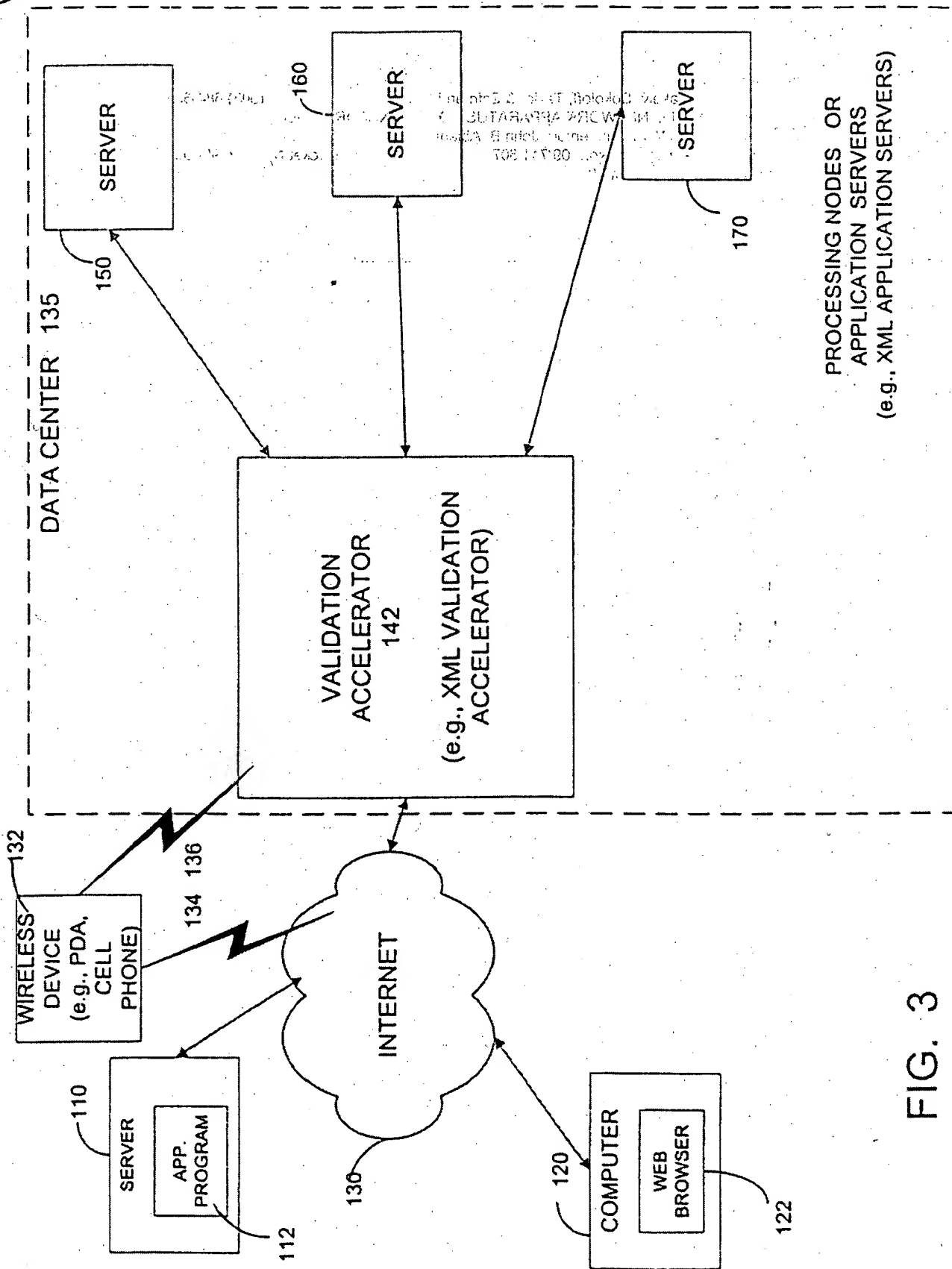


FIG. 3



EXAMPLE MESSAGE
OR DOCUMENT
(A XML DOCUMENT
IN THIS EXAMPLE)

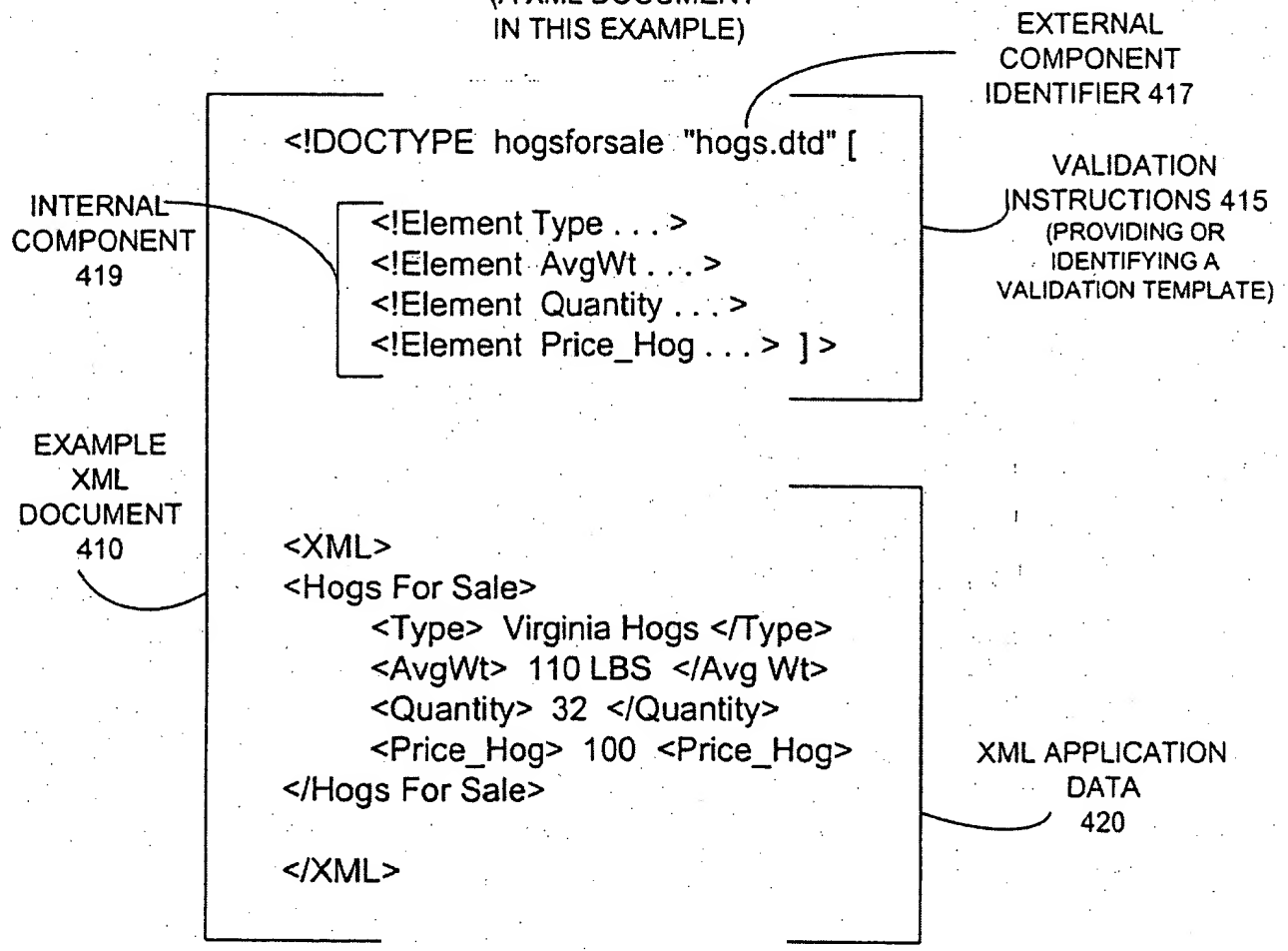


FIG. 4

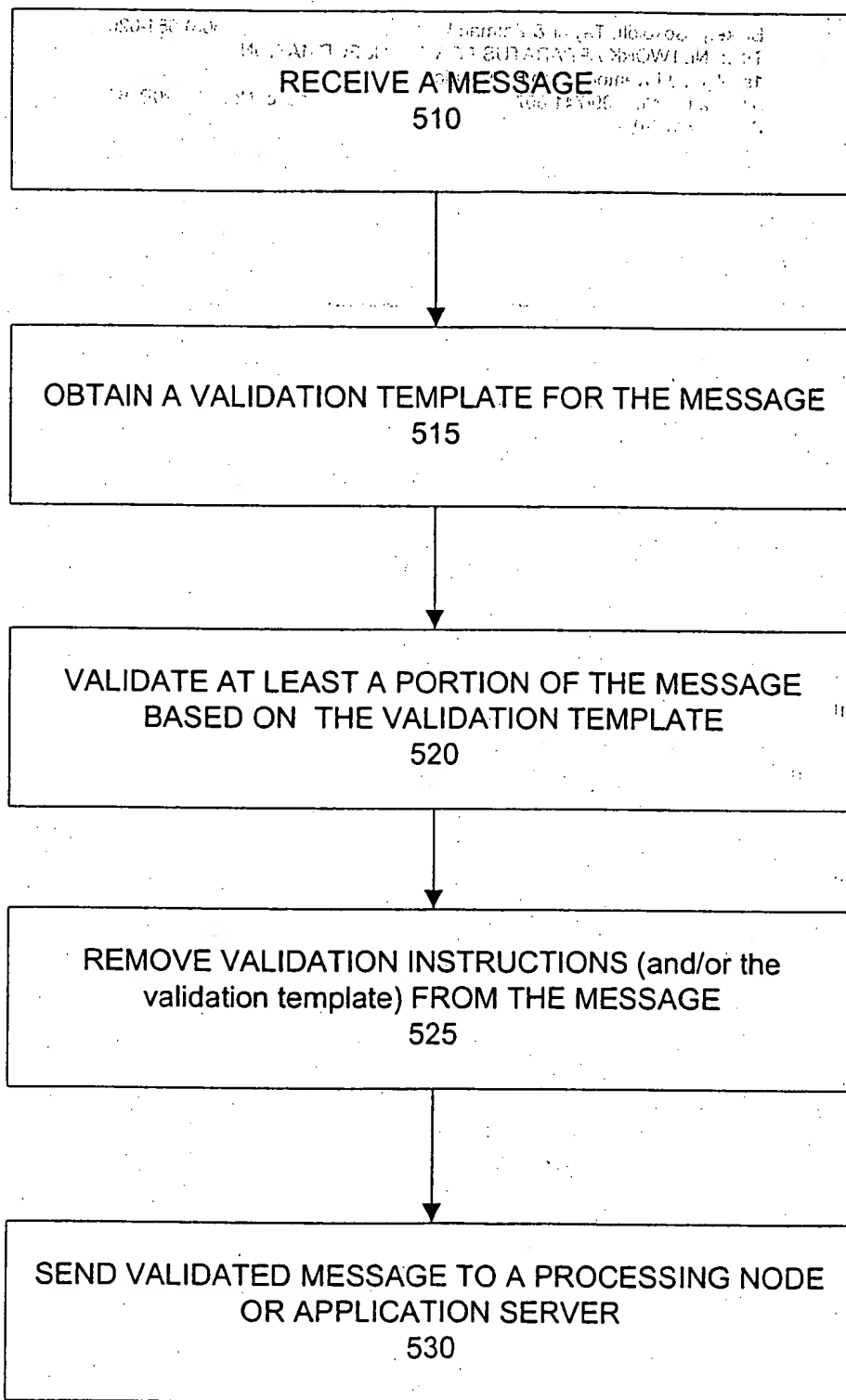


FIG. 5



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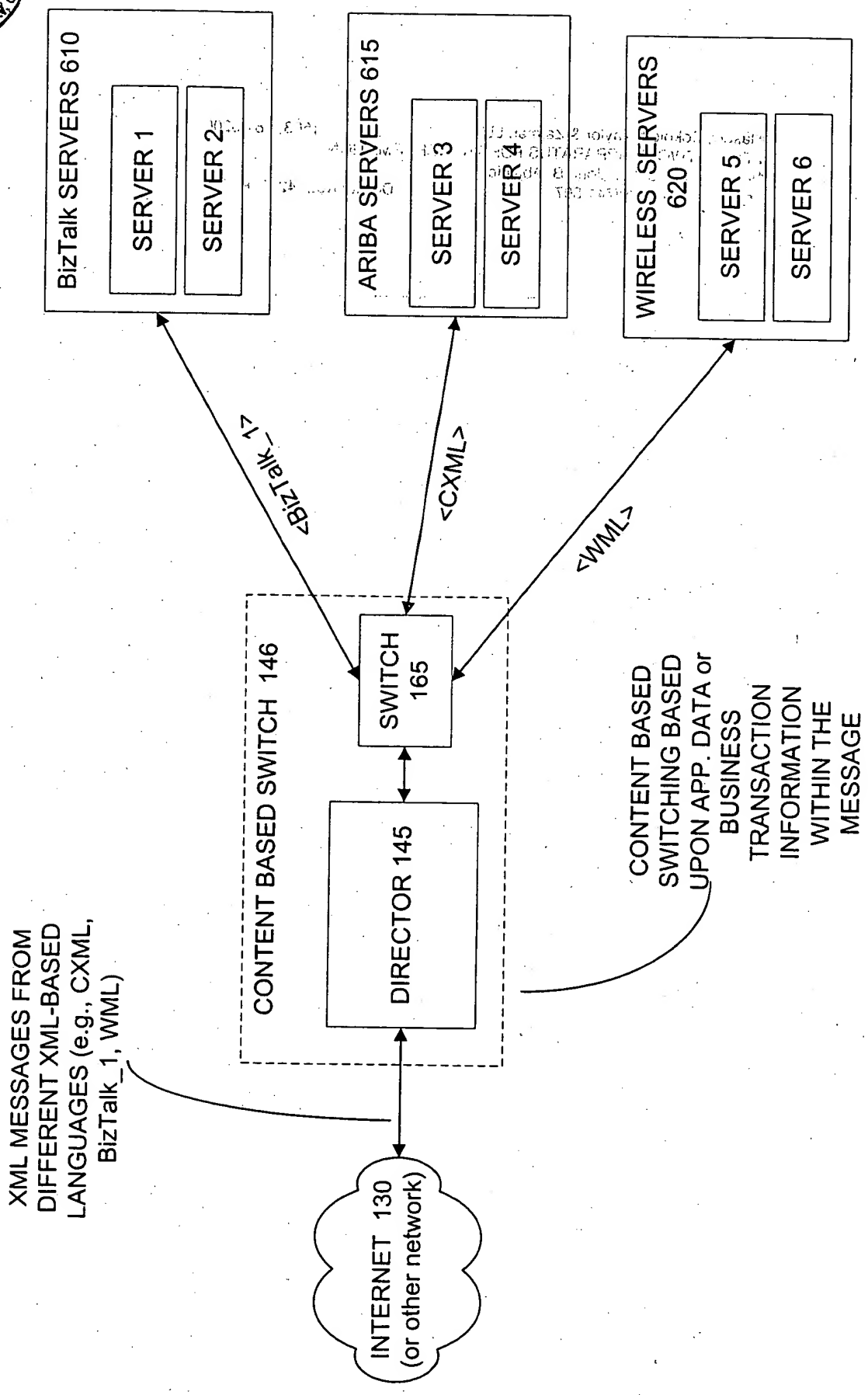


FIG. 6

2002110814260

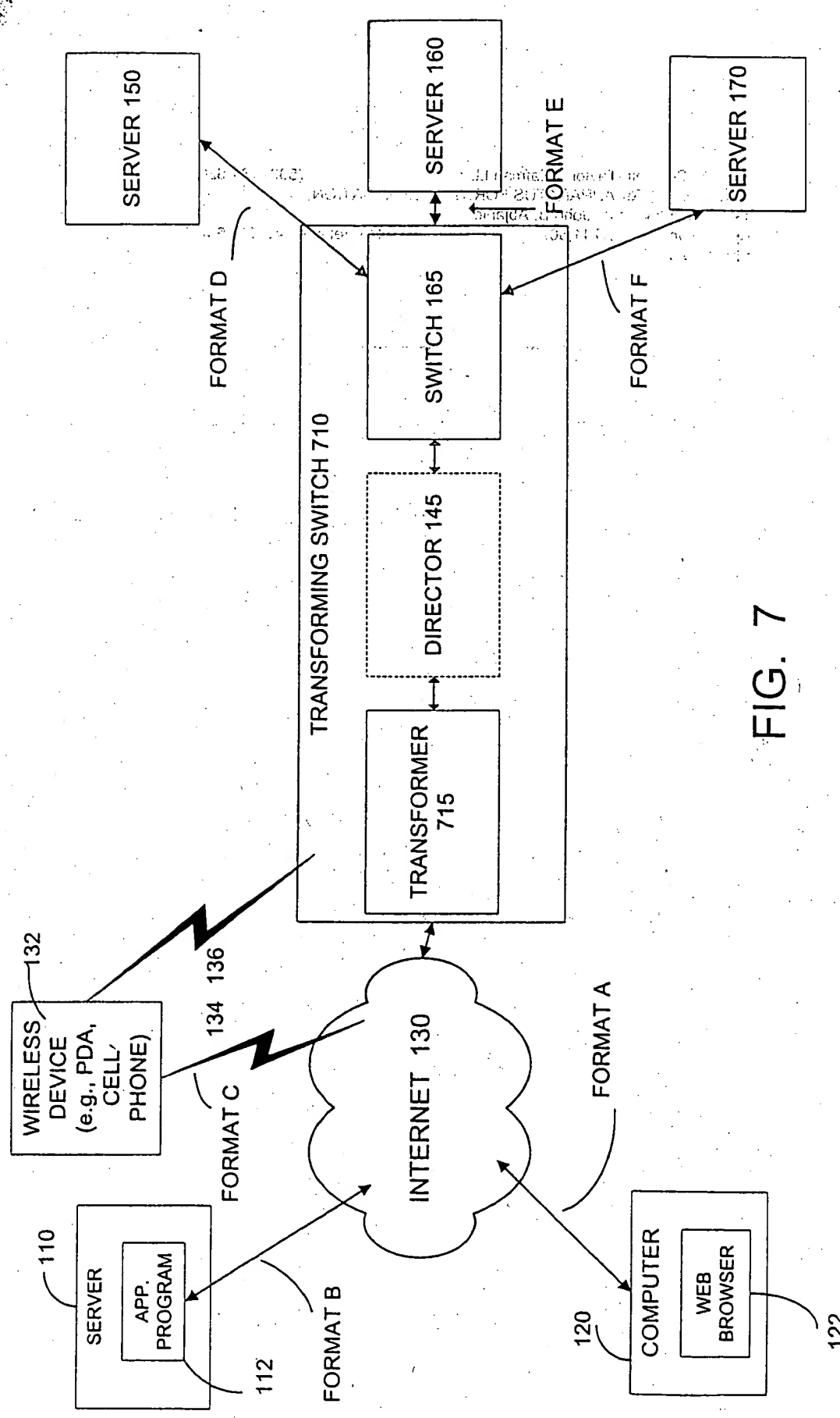


FIG. 7

PROCESSING NODES OR
 APPLICATION SERVERS
 (e.g., XML APPLICATION SERVERS)

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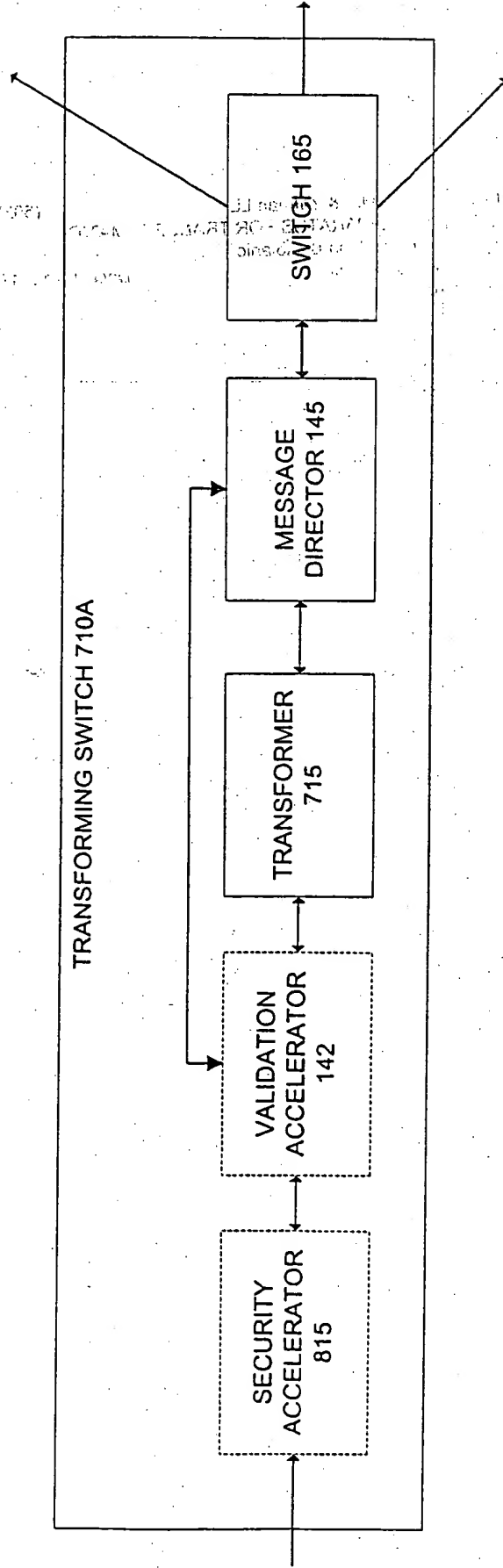


FIG. 8

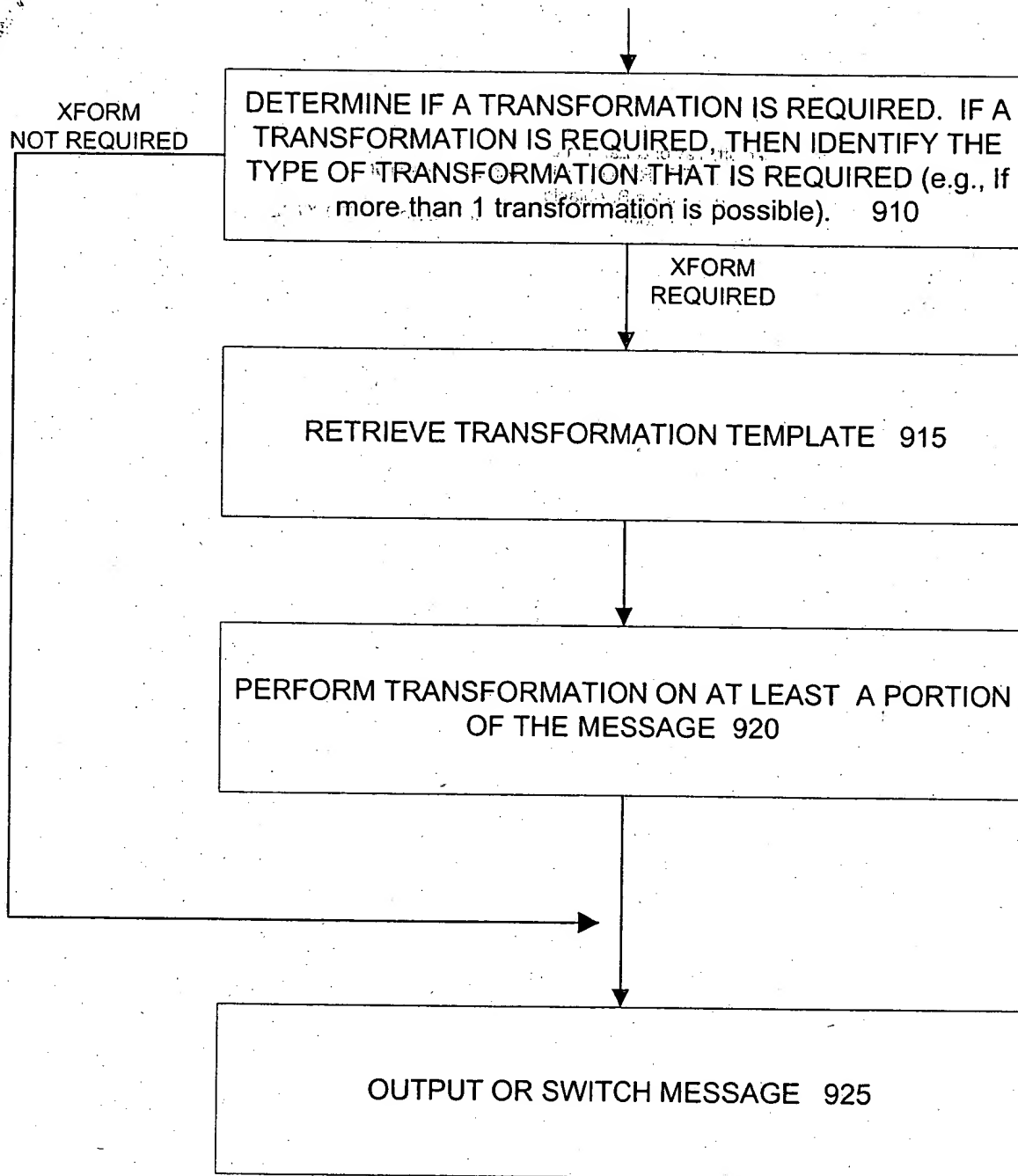


FIG. 9



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Format Transformation (Outbound)

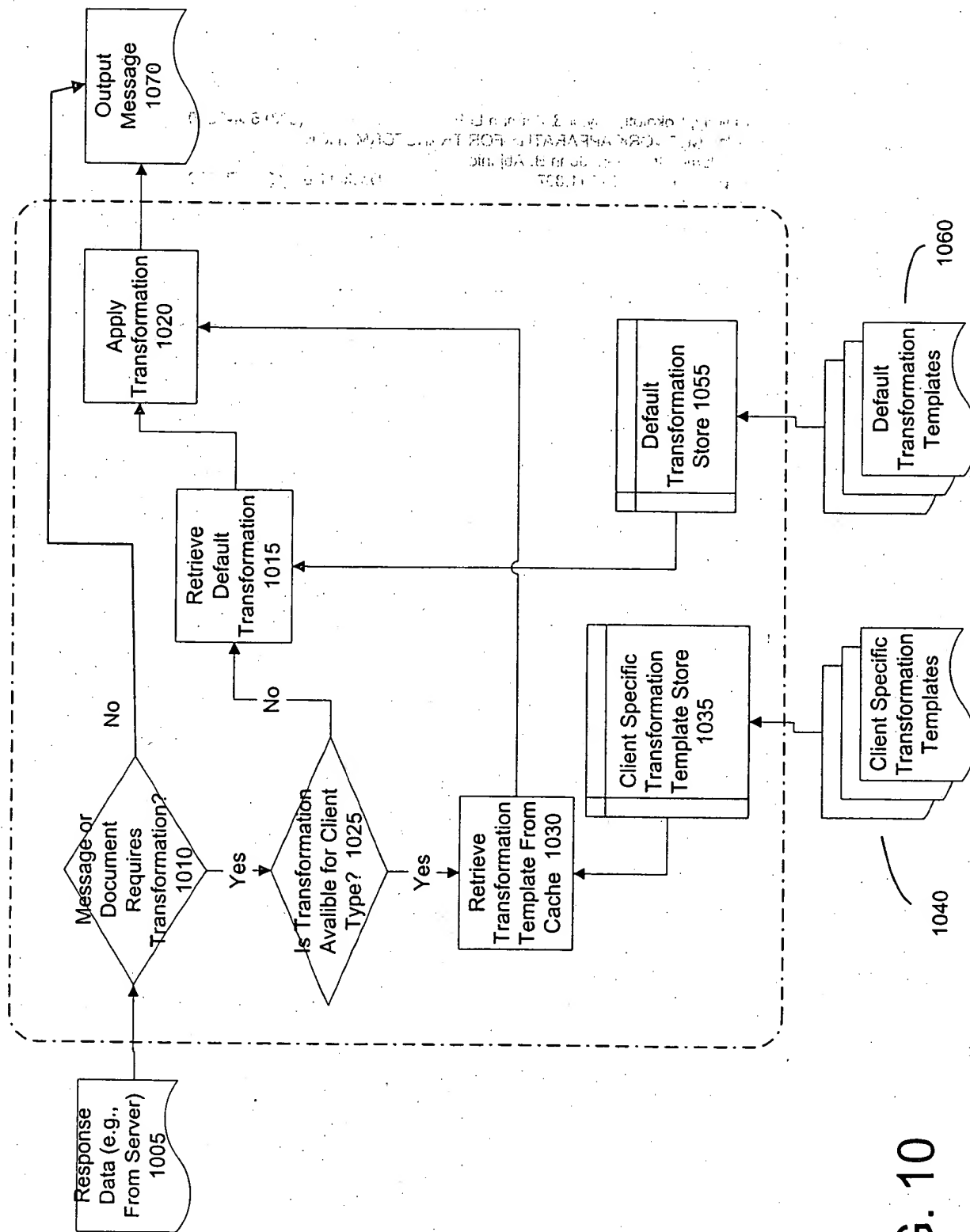


FIG. 10